PRELIMINARY AMENDMENT

U.S. Application No.:10/506,547

Attorney Docket No.: Q68919

AMENDMENTS TO THE SPECIFICATION

Please replace the last paragraph of page 3, beginning at line 24, with the following

amended paragraph:

Functions of titanium oxide are more fully benefited from titanium oxide of high

dispersibility. Titanium oxide of low dispersibility exhibits high hiding power. Therefore, when

titanium oxide of low dispersibility is employed in a photocatalyst, a limitation is imposed on use

of the photocatalyst. When titanium oxide of low dispersibility is employed in the field of solar

cells, since such titanium oxide tends not to transmit light, the amount of light absorbed in the

titanium oxide is lowered, whereby photoelectric conversion efficiency is lowered. In general,

titanium oxide having a particle size of about 1/2 the wavelength of visible light exhibits

maximum light scattering amount (hiding power), and the light scattering amount is lowered in

accordance with a decrease in particle size ("Titanium Oxide" authored by Manabu

Seino Kiyono, Gihodo Co., Ltd., p. 129, (1991)). In many cases, titanium oxide having a primary

particle size of some nm to some tens of nm is employed in the aforementioned technical field,

and therefore, titanium oxide with excellent dispersibility scatters low amounts of light.

However, titanium oxide exhibiting low dispersibility and having large size of aggregated

particles exhibits increased light scattering.

2